ABSTRACT OF THE DISCLOSURE

A system comprising means, which stores, regenerates, or matches shape of

curves, by using a specified group of data in length to express a shape of curve. The

5   system uses a sequence of several measure points on the curve, which are determined so as

to make the same distances between those adjacent measure points. They are the data of

lengths of arcs between starting measure point and ending measure points among every

three consecutive measure points on the curve.